Genetic Epidemiology

Are certain persons genetically predisposed to develop lung cancer? There are several studies that indicate that first-degree relatives of lung cancer patients have an increased risk of developing lung cancer. In addition, certain alleles of P450 enzymes or other polymorphic markers are associated with an increased risk of developing lung cancer after adjusting for cigarette smoking[34,35] (Chap. 20). In patients with inherited mutations in the *RB1* or *p53* recessive oncogenes who survive childhood or young adult cancers, there appears to be a significantly increased risk of developing lung cancer.[36,37]

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